

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2003-101335

(43)Date of publication of application : 04.04.2003

(51)Int.Cl.

H01Q 13/08

H01Q 1/24

H01Q 1/38

H01Q 1/48

H01Q 5/00

H01Q 9/42

H01Q 21/30

H04B 1/38

H04M 1/02

(21)Application number : 2001-291604

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(22)Date of filing : 25.09.2001

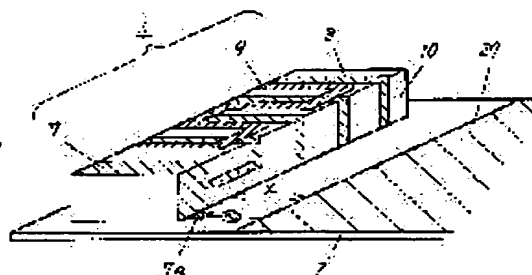
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## (54) ANTENNA DEVICE AND COMMUNICATION EQUIPMENT USING IT

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide an antenna device that has wider frequency band than the conventional art, that is applicable to multiple frequencies, and that can be arranged inside a box, in the antenna device that is used for mobile radio apparatus including a mobile phone.

**SOLUTION:** This device comprises a first antenna element provided in such a way that its one end is opened and the other end is connected to a feeding part, and a second antenna element arranged in such a way that its both ends are opened and that it is arranged in an isolated state on the outside circumferential surface of the first antenna element. The other end of the first antenna element is connected to the feeding part via an annular first conductor.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision  
of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

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